Table E6
Predicted Metal Concentrations in salt Accumulating in the OEP

CONSTITUENT	Predicted Metal Concentrations in Salt Accumulating in the OEP(1) (mg/Kg)	Predicted Soluble Values of Salt Residue (2) (mg/L)
SULFATE	137,996	67
NITRATE	1,486	13(3)
BARIUM	668	5.5
FLUORIDE	133	
LEAD	55	
IRON	1	
BORON	4	
MAGNESIUM	65,200	
MANGANESE	9,877	
POTASSIUM	17,088	
ANTIMONY	4	0.04
ARSENIC	6	0.06
CHROMIUM	3	0.29
COBALT	2	0.19
COPPER	3	0.03
MERCURY	0	0.03
MOLYBDENUM	2	0.2
STRONTIUM	81,284	
ZINC	1,305	131
RADIUM 226 (PiC/L)	0.5	
RADIUM 228 (PiC/L)	8.1	
URANIUM 234 (PiC/L)	3.1	
URANIUM 235 (PiC/L)	0.11	
URANIUM 238 (PiC/L)	0.24	
THORIUM 228 (PiC/L)	0.55	
THORIUM 230 (PiC/L)	0.07	
THORIUM 232 (PiC/L)	0.02	
GROSS ALPHA (PiC/L)	57.9	
GROSS BETA (PiC/L)	69.2	

(1) Assuming moisture content is approximately 20 % of the total wieght of the residuel solids.
Assumes constituent is 100 % insoluble and precipitated with salt.
(2) Assumes 100 % solubility of the salt and a 10:1 citrate buffer to salt ratio.
(3) Inorganic fluorides are only slightly soluble in water, and would be expected to have a solubility of less than 10%.